



NC/PMC/PD/2018-19/BW-CB3A

Date: 14-08-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	17-07-18	14-08-18	28	22500	725	32.22	32.59
	002	"	"	"	"	745	33.11	
	003	"	"	"	"	730	32.44	

Page No. 1/1,

K...R
KIRAN. R
M.E. (Civil-Engg)

W...
Proprietor

**NC/PMC/PD/2018-19/BW-CB4A****Date: 14-08-2018****1. TEST REPORT ON CEMENT CONCRETE CUBES:****Sub:** Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

**RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE
CUBE SPECIMENS**

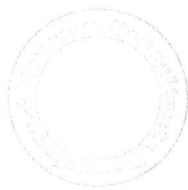
Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	17-07-18	14-08-18	28	22500	735	32.67	32.96
	002	"	"	"	"	750	33.33	
	003	"	"	"	"	740	32.89	

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KIRAN. R
M.E, (Civil-Engg)
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Proprietor



NC/PMC/PD/2018-19/BW-CB5A

Date: 16-08-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

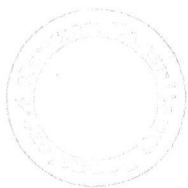
TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	19-07-18	16-08-18	28	22500	745	33.11	32.67
	002	"	"	"	"	720	32.00	
	003	"	"	"	"	740	32.89	

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For Newzen Consultants Bangalore
Proprietor



NC/PMC/PD/2018-19/BW-CB6A

Date: 17-08-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	20-07-18	17-08-18	28	22500	730	32.44	33.11
	002	"	"	"	"	750	33.33	
	003	"	"	"	"	755	33.56	

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Page No. 1/1,

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NC/PMC/PD/2018-19/BW-C5

Date: 02-08-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

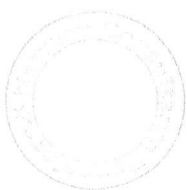
SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	168 min	Shall not be less than 30 min
2	Final setting time	260 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.98 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.15 mm	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	28.78 N/Sq mm	Shall not be less than 27 N/Sqmm

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For Newzen Consultants Bangalore

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NC/PMC/PD/2018-19/BW-PCC4

Date: 02-08-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	95 - 100
20mm	59.15	0 -20	30- 70
10mm	35.80	0 -5	10- 35
4.75mm	4.10	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

TABLE - SIEVE ANALYSIS					
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	96.25	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	86.55	60-95	75-100	85-100	
01.18	73.05	30-70	55-90	75-100	
600. mic	57.35	15-34	35-59	60-79	
300.mic	23.60	5-20	8-30	12-40	
150.mic	8.20	0-10	0-10	0-10	

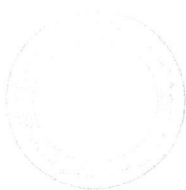
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Newzen Consultants Bangalore

**NC/PMC/PD/2018-19/BW-C6****Date: 03-08-2018****1. TEST REPORT ON CEMENT:****Sub:** Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENTBrand : ZUARI
Grade * : 53,
Type * : O.P.C**TABLE 1.1:**

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	165 min	Shall not be less than 30 min
2	Final setting time	250 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.89 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.32 mm	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	29.03 N/Sq mm	Shall not be less than 27 N/Sqmm

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C/o Newzen Consultants Bangalore

P-001201

NC/PMC/PD/2018-19/BW-PCC5

Date: 03-08-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	95 - 100
20mm	61.30	0 -20	30- 70
10mm	34.70	0 -5	10- 35
4.75mm	3.20	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	98.30	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	84.15	60-95	75-100	85-100	
01.18	73.55	30-70	55-90	75-100	
600. mic	56.25	15-34	35-59	60-79	
300.mic	22.45	5-20	8-30	12-40	
150.mic	7.90	0-10	0-10	0-10	

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Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor



NC/PMC/PD/2018-19/BW-C7

Date: 04-08-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	175 min	Shall not be less than 30 min
2	Final setting time	258 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.99 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.12 mm	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	28.64 N/Sq mm	Shall not be less than 27 N/Sqmm

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P-001201



NC/PMC/PD/2018-19/BW-PCC6

Date: 04-08-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	95 - 100
20mm	57.15	0 -20	30- 70
10mm	31.70	0 -5	10- 35
4.75mm	3.45	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

FINE AGGREGATES					
TABLE - SIEVE ANALYSIS					
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	98.10	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	81.65	60-95	75-100	85-100	
01.18	73.80	30-70	55-90	75-100	
600. mic	52.15	15-34	35-59	60-79	
300.mic	25.95	5-20	8-30	12-40	
150.mic	7.40	0-10	0-10	0-10	

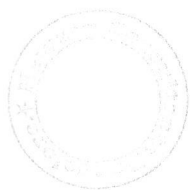
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For Newzen Consultants Bangalore

Proprietor


NC/PMC/PD/2018-19/BW-C8
Date: 06-08-2018
1. TEST REPORT ON CEMENT:
Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

 Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENT

 Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	176 min	Shall not be less than 30 min
2	Final setting time	268 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.04 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.18 mm	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	28.56 N/Sq mm	Shall not be less than 27 N/Sqmm

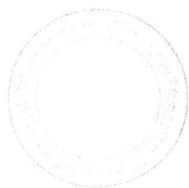


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 M.E. (Civil-Engg)


 For Newzen Consultants Bangalore

Proprietor



NC/PMC/PD/2018-19/BW-PCC7

Date: 06-08-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	97.10	85-100	95 – 100
20mm	60.75	0 -20	30- 70
10mm	24.60	0 -5	10- 35
4.75mm	3.55	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

TABLE - SIEVE ANALYSIS					
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	98.60	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	84.15	60-95	75-100	85-100	
01.18	63.95	30-70	55-90	75-100	
600. mic	40.55	15-34	35-59	60-79	
300.mic	19.80	5-20	8-30	12-40	
150.mic	6.65	0-10	0-10	0-10 ✓	

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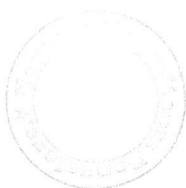
Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore

Proposed



NC/PMC/PD/2018-19/BW-C9

Date: 08-08-2018

1. TEST REPORT ON CEMENT:**Sub:** Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENTBrand : ZUARI
Grade * : 53,
Type * : O.P.C**TABLE 1.1:**

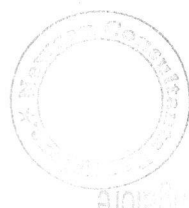
SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	175 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.15%	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.18 mm	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	28.35 N/Sq mm	Shall not be less than 27 N/Sqmm

Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

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Proprietor

NC/PMC/PD/2018-19/BW-FA2

Date: 08-08-2018

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

TABLE - 1.1 : SIEVE ANALYSIS :

TABLE 11.1: SIEVE ANALYSIS					
IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -II	
04.75	97.10	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	87.30	60-95	75-100	85-100	
01.18	69.55	30-70	55-90	75-100	
600. mic	43.70	15-34	35-59	60-79	
300.mic	19.20	5-20	8-30	12-40	
150.mic	6.05	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	17.23 %	-----
2	Silt Content	----	0.62 %	Not more than 8%
3	Specific Gravity	----	2.62	-----

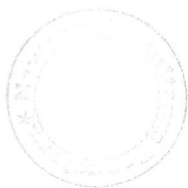
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M.E. (Civil Engg)

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For Newzen Consultants Bangalore

Proprietor



NC/PMC/PD/2018-19/BW-CA2

Date: 08-08-2018

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

Table - 1.1 : SIEVE ANALYSIS :

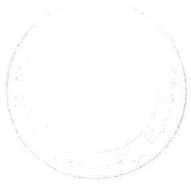
IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
		Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.45	85-100	90 - 100
10 mm	48.05	0 - 20	25 - 55
4.75 mm	8.15	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	21.80 %	Not to exceed 25 %
2.	Crushing value	27.66 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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For Newzen Consultants Bangalore
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**NC/PMC/PD/2018-19/BW-CB7****Date: 16-08-2018****1. TEST REPORT ON CEMENT CONCRETE CUBES:****Sub:** Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

**RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE
CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀**TABLE 1.1:**

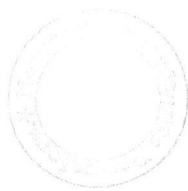
Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	09-08-18	16-08-18	07	22500	525	23.33	23.70
	002	"	"	"	"	540	24.00	
	003	"	"	"	"	535	23.78	

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M.E. (Civil-Engg)

For Newzen Consultants Bangalore

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NC/PMC/PD/2018-19/BW-CB8

Date: 17-08-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07 days Compressive Strength).

{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength . (N/ mm ²)	Avg. Value
1	001	10-08-18	17-08-18	07	22500	545	24.22	23.85
	002	"	"	"	"	530	23.56	
	003	"	"	"	"	535	23.78	

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KIRAN. R
M.E, (Civil-Engg)

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Proprietor